

# Geothermal & Hydropower to Hydrogen

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- ❖ **Renewable Hydrogen in Hawaii**  
**Dr. Richard Rocheleau (Hawaii Natural Energy Institute)**
  
- ❖ **Geothermal to Hydrogen on the Island of Hawaii**  
**Dr. Elvin Yuzugullu (SENTECH, Inc.)**
  
- ❖ **Hydropower to Hydrogen**  
**Mr. Guy Sliker (New York Power Authority)**

**Moderator: Dr. George Guthrie (Los Alamos National Laboratory)**

# Los Alamos National Laboratory

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- ❖ **Established in 1943**
- ❖ **Located in northern NW**
  - ❖ ~35 miles west of Santa Fe
- ❖ **On flanks of Jemez Mountains**
- ❖ **Workforce ~8,000;  
~1400 students; ~400 postdocs**
  
- ❖ **Broad energy portfolio**
  - ❖ alternative energy/infrastructure
  - ❖ fossil energy & environment
  - ❖ nuclear energy
  - ❖ basic energy research
  
- ❖ **Carbon-neutral fuel cycle is grand scientific challenge driving LANS/LANL strategy**